

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 019957-016830US U.S. APPLICATION NO. (if known, see 37 CFR 1.5) To Be Assigned 10/287789
INTERNATIONAL APPLICATION NO. PCT/US2005/003856	INTERNATIONAL FILING DATE February 4, 2005	PRIORITY DATE CLAIMED February 4, 2004
TITLE OF INVENTION METHODS OF REFOLDING MAMMALIAN GLYCOSYLTRANSFERASES		
APPLICANT(S) FOR DO/EO/US SARIBAS, Sami; HAKES, David; WILLETT, Scott; JOHNSON, Karl F.; BEZILA, Daniel James; DEFREES, Shawn		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

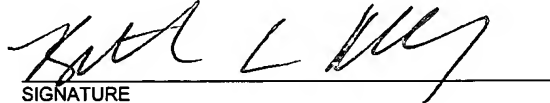
U.S. APPLICATION NO. 10/382789 To Be Assigned	INTERNATIONAL APPLICATION NO. PCT/US2005/003856	ATTORNEY'S DOCKET NUMBER 019957-016830US
20. Other items or information: Express Mail Label No. EV 382 232 355 US, mailed on July 28, 2006 1) International Publication No. WO 2005/089102 A2 2) Chapter II Demand and Amendment under PCT Article 34 as filed 3) PCT Forms: PCT/IB/304; PCT/IB/306; PCT/IB/308 (2 notices)		
The following fees have been submitted		CALCULATIONS PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300		\$ 300
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200		\$ 200
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500		\$ 100
TOTAL OF 21, 22 and 23 =		\$ 600
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
158	58	2
RATE		\$250
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	33 - 20	13
Independent claims	2	0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360
TOTAL OF ABOVE CALCULATIONS =		\$1750
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
SUBTOTAL =		\$ 1750
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$
TOTAL NATIONAL FEE =		\$ 1750
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$
TOTAL FEES ENCLOSED =		\$ 1750
Amount to be refunded:		\$
Amount to be charged:		\$ 1750

- 10/537769
10/28 JUL 2006
- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 20-1430 in the amount of \$ 1750 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 20-1430. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Beth L. Kelly
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, CA 94111-3834


SIGNATURE

Beth L. Kelly
NAME

51,868
REGISTRATION NUMBER

60832168 v1

10/587769

**TOWNSEND
and
TOWNSEND
and
CREW**

LLP

Denver, Colorado
Tel 303 571-4000

San Francisco

AP20 Rec'd PCT/PTO 28 JUL 2006

Palo Alto, California
Tel 650 326-2400

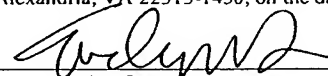
San Francisco Center
Eighth Floor
San Francisco
California 94111-3834
Tel 415 576-0200
Fax 415 576-0300

Seattle, Washington
Tel 206 467-9600

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. **EV 383 390 914 US**, in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

By:


Evelyn Quan

May 26, 2005

VIA EXPRESS MAIL, WITH RETURN POSTCARD ENCLOSED

Authorized Officer
Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: International Application No. PCT/US2003/031384
International Filing Date: 06 February 2005
Applicants: NEOSE TECHNOLOGIES, INC. *et al.*
Title: METHODS FOR REFOLDING MAMMALIAN
GLYCOSYLTRANSFERASES
Inventors: Saribas *et al.*
Our File No.: 19957-168-3P

Dear Officer:

Enclosed please find the Chapter II Demand with substitute pages 10, 10a, 11 - 14, 14a, 23, 43, 44, 60, 60a, 72, 72a, 74, 74a, 75, 78, 78a, 79, 79a, 89, 89a of the Description, along with substitute pages 46 and 53 of the Figures, submitted as an Amendment under Article 34.

Enclosed also are redlined versions of the substitute pages.

The only changes were the insertion/deletion of SEQ ID: NOs and corrections of typographical errors that do not include matter which go beyond the disclosure in the international application as filed.

Thank you for your attention to the above matter.

Respectfully submitted,


Beth L. Kelly

BLK/elq

Enclosures: Chapter II Demand
Substitute pages 10, 10a, 11 - 14, 14a, 23, 43, 44, 60, 60a, 72, 72a, 74, 74a, 75,
78, 78a, 79, 79a, 89 and 89a of the Description
Substitute pages 46 and 53 of the Figures
Redlined versions of substitute pages
Sixty (63) pages of Sequence Listing
Diskette and Statement
Transmittal Letter
Postcard

TOWNSEND
and
TOWNSEND
and
CREW
LLP

Palo Alto, California
Tel 650 326-2400

Walnut Creek, California
Tel 925 472-5000

San Diego, California
Tel 858 350-6100

Denver, Colorado
Tel 303 571-4000

Seattle, Washington
Tel 206 467-9600

San Francisco

Two Embarcadero Center
Eighth Floor
San Francisco
California 94111
Tel 415 576-0200
Fax 415 576-0300

May 26, 2005

VIA EXPRESS MAIL

Special Programs Examiner Sue Wolski
Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

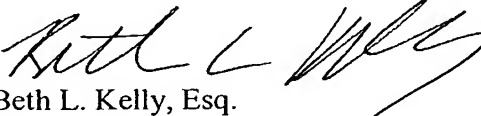
Re: International Application No. PCT/US05/03856
filed February 4, 2005
Applicant(s): Neose Technologies, Inc. *et al.*
Inventor(s): Saribas *et al.*
Title: Methods of Refolding Mammalian Glycosyltransferases
Our Ref.: 19957-168-3P

Dear Special Programs Examiner Wolski:

In order to comply with the WIPO Standard ST.25 requirements for the Sequence Listing, please find enclosed the Sequence Listing and disk at this time.

It is hereby stated that "the information recorded on the computer readable form is identical to the written sequence listing" and does not include matter which goes beyond the disclosure in the international application as filed.

Sincerely,


Beth L. Kelly, Esq.

BLK:dmw
Enclosures
60495591 v1